Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/21/2018 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125298	0	2.25	125370	2.24
Blue	F	SSC	125000	123311	-2	3.87	124051	3.92
Blue	E	FITC	15492	15077	-3	3.82	350	21.73
Blue	D	PE	28736	28090	-3	3.16	622	16.19
Blue	B	PerCP-Cy5-5	41413	41061	-1	4.74	1128	22.82
Blue	A	PE-Cy7	31321	31497	0	7.22	570	47.85
Red	C	APC	41673	41199	-2	3.01	1590	13.64
Red	A	APC-Cy7	29962	29684	-1	2.99	745	14.32
Violet	B	V450	8318	7986	-4	4.61	446	14.86
Violet	A	V500	34199	33522	-2	4.31	805	11.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20450	4.05	607	-6	N/A	N/A	Pass
Blue	F	SSC	55847	3.39	573	5	N/A	N/A	Pass
Blue	E	FITC	58	76.03	556	-5	0.0170	251	Pass
Blue	D	PE	123	57.86	556	-4	0.1400	323	Pass
Blue	B	PerCP-Cy5-5	209	55.46	662	-5	0.0075	58	Pass
Blue	A	PE-Cy7	111	120.21	718	-4	0.0090	28	Pass
Red	C	APC	362	28.95	603	2	0.0182	99	Pass
Red	A	APC-Cy7	182	32.62	579	3	0.0045	1174	Pass
Violet	B	V450	66	71.74	478	1	0.0413	2320	Pass
Violet	A	V500	115	39.81	496	2	0.0184	1036	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.46	-32.03	1.07
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.35	13.60 - 20.40	N/A	N/A	29.21	29.67	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9504

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments